

**IN THE CLAIMS:**

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (Original) A fluid mixer for feeding by pressure fluids flowing through at least two supply lines to a mixing line at an arbitrary ratio, comprising a diaphragm for adjusting the flow rate of the fluids provided on the upstream side from a point where said at least two supply lines are merged to the mixing line as well as a pressure reducing valve on further upstream side of said diaphragm in series, and a back pressure valve on said mixing line.

2. (Currently amended) A fluid mixer [[in]] of claim 1, wherein a back pressure valve and a flow meter are arranged in series in the mixing line.

3. (Currently amended) A fluid mixer [[in]] of claim 1 or 2, wherein a fixed orifice or a regulating valve is used for a diaphragm.

4. (Currently amended) A fluid mixer ~~in any of claims~~ claim 1 to 3 or 2, wherein the pressure reducing valve and the back pressure valve are automatic valves.